ON/OFF MOTION SENSOR SUPPLEMENT

SKFHBLT-SENSOR

PRODUCT DESCRIPTION:

The ON/OFF sensor is designed to replace a standard light or fan switch. It is ideal for high mounted areas such as warehouses, manufacturing, and other high ceiling applications. The sensor detects changes in the infrared energy given off by occupants as they move within the field-of-view. When occupancy is detected, a self-contained relay switches the connected lighting load on. The sensor is line powered and can switch line voltage. An internal timer, factory set at 15 seconds, keeps the lights on during brief periods of inactivity.

The coverage area is ideal for 15 to 30 feet mounting heights and has radial coverage of 15 to 20 feet. Radial coverage overlaps area lit by a typical high bay fixture. The sensor is designed to operate from 0°C to 55°C. Please consult fixture datasheet for system operating limits.

FEATURES:

- 100% Digital PIR (Passive Infrared) Detection – on/off function
- Can adjust sensitivity of PIR Detector (30% to 100%)
- Excellent Radio Frequency Immunity
- Up to 30 ft mounting height
- 15-20 ft (4.57-6.10 m), 360° Radial Coverage Pattern, Covers up to 450 sq.ft
- Self-Contained Relay
- No Power Pack Needed
- Interchangeable Hot & Load Wires
- Impossible to Wire Backwards
- Adjustable Time Delay from 15 seconds to 30 minutes
- No Field Calibration or Sensitivity Adjustments Required
- No required Ground

SENSOR INSTALLATION:

1. Remove the lock-nut from the thread clockwise on to the threaded nipple into a half inch hole of the luminaire body or the electrical box.
2. Slide the lock-nut over the wires and thread clockwise on to the threaded nipple to secure the sensor firmly in place making sure the lens is oriented towards the area to be monitored(field of view).
3. Connect wire per Wiring Diagram as follows: BLACK lead to LINE(HOT); RED lead to LOAD; WHITE lead to NEUTRAL. Twist the existing wires together with the wire leads on the sensor.

ORDERING:

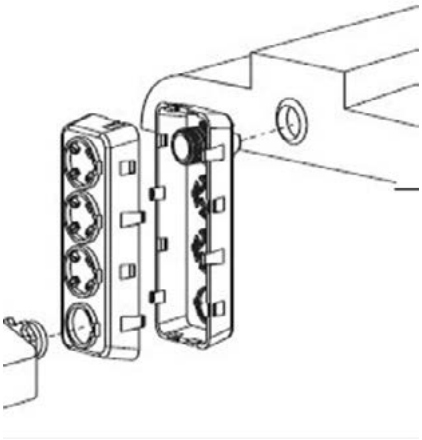
ORDER CODE	ITEM NUMBER	ITEM DESCRIPTION
71121	SKFHBLT-SENSOR	OCCUPANCY SENSOR FOR LINEAR HIGHBAY FIXTURES (YOTI)
73746	SKFHBLT-SENSOR-ADAPT	ARM OFFSET ADAPTOR SKFHBLT-SENSOR

SPECIFICATION:

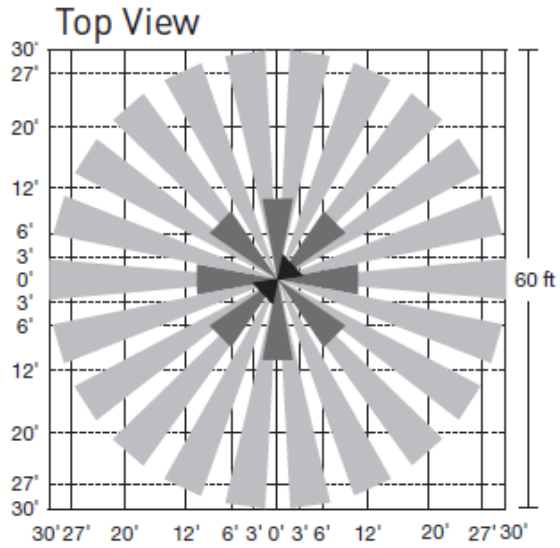
SPECIFICATION	SKFHBLT-SENSOR
Power Supply	120/277VAC, 50/60Hz
Max Load	800/1200W(VA)@ 120/277V
Mounting Method	½" KNOCKOUT
Wire Length	30 INCHES
Mounting Height	15 TO 30FT RECOMMENDED
Detection Range	SUBJECT TO MOUNTING HEIGHT
Ambient Light Level	7 LEVELS ACCU-SET DIGITAL POTENTIOMETER
Delay Time Setting	FIXED 15 SEC TO 30 MIN
Sensitivity Adjustment	100% TO 30%
OP Humidity	MAX 90% RH
OP Temperature	32°F~131°F
Dimensions	3.55"L x 3.55"W x 1.57"D

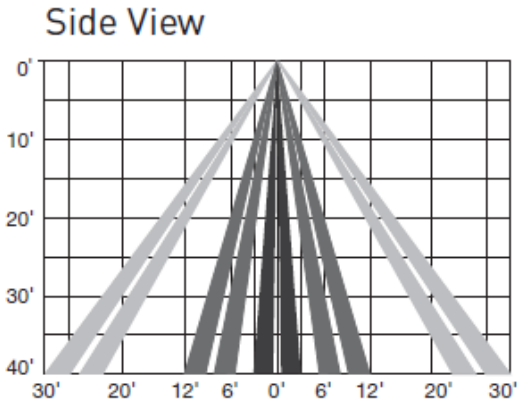
ADAPTOR INSTALLATION:

1. Position one half of the adapter body on the end of the luminaire to determine the appropriate mounting hole to be used.
2. Punch out the keyed hole of the adapter half body to be mounted on the luminaire or electrical box.
3. Thread the provided lock nut part way on to the threaded nipple and insert through the the keyed hole from the inside of the adapter half body and snap into the half inch hole of the luminaire or electrical box and tighten
4. Punch out the non-keyed hole on the other adapter body half and insert the wires and threaded nipple of the sensor into the hole. Thread the provided lock nut on the nipple and tighten, positioning the sensor towards the area to be motioned.
5. Feed the sensor wires through the keyed nipple attached to the luminaire or electrical box and connect wires: Twist the existing wires together with the wire leads on the sensor. Cap them securely using the wire nuts provided.
6. After wiring connections are completed, snap the two adapter body halves together.
7. Installation is complete; restore power.



SENSOR DETECTION:





TROUBLE SHOOTING:

LIGHTS WILL NOT TURN OFF

- Circuit breaker or fuse is OFF: Turn the breaker ON. Ensure the lights being controlled are in working condition
- Sensor is wired incorrectly or may be defective: Confirm that the sensor's wiring is done correctly and inspect visually for problems
- Lens is dirty or obstructed: Inspect the lens visually and clean if necessary, or remove the obstruction

LIGHTS WILL NOT TURN OFF

- Make sure no motion is occurring in the coverage area until 15 seconds (factory set) time delay expires
- Sensor is wired incorrectly or may be defective: Confirm that the sensor's wiring is done correctly and inspect visually for problems
- Sensor may be mounted too closely to an air conditioning or heating vent: Move the sensor or close the vent
- The line voltage has dropped: Perform the necessary tests to ensure the line voltage has not dropped beneath 100V

LIGHTS TURN OFF AND ON TOO QUICKLY

- Sensor may be mounted too closely to an air conditioning or heating vent: Move the sensor to another location or close the vent.
- Time delay set improperly: Verify Time Delay settings